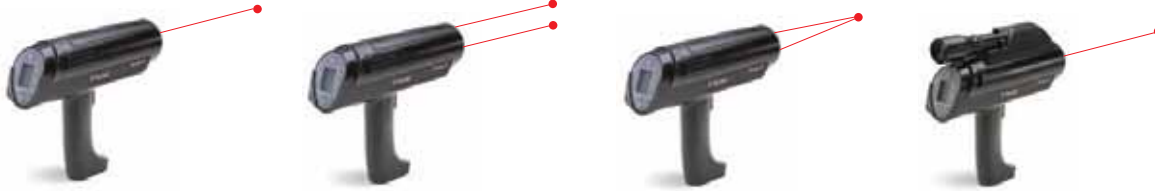


Laser Sighting Options



Single Laser (L2, L3)
Single laser models are designed for accuracy over distances and pinpoint the center of the target area with a bright laser spot. The single laser L3 unit is equipped with a 4 milliwatt laser, providing the brightest laser guide.

Dual Laser (DL2, DL3)
The dual laser uses two laser spots to indicate the diameter of the target area measured.

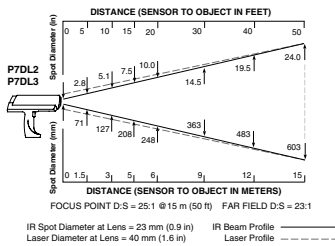
Crossed Laser (CL2, CL3)
For precise measurement of smaller targets, minimum measurement spot is indicated at the point the two laser beams meet.

Scope Only (SC) or Scope with Laser (SCL2)
Measure temperature at a distance in bright daylight. At the focus point, 3i scopes are parallax-free and provide circular reticles for pinpoint accuracy. To enhance the sighting capabilities of the scope, combine the scope with a laser equipped model.

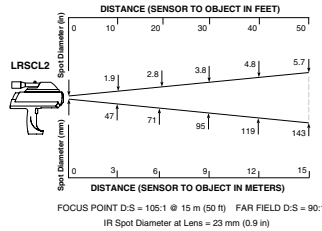
Models ending with L2 meet FDA Class II and IEC Class 2 requirements.
Models ending with L3 meet FDA Class IIIa requirements.

Optical Resolutions D:S (distance to spot using 90% encircled energy at focal point)

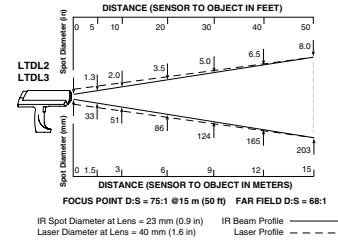
G5SC for Glass



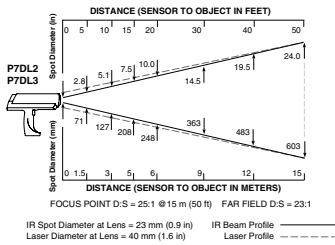
Long Range



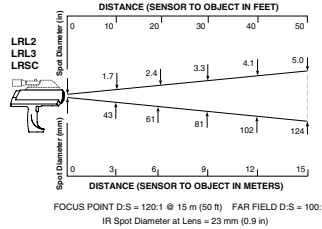
Low Temperature



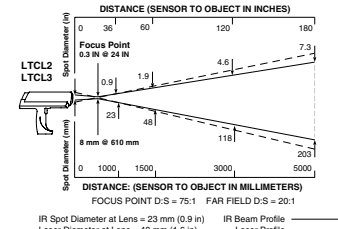
P7DL for Thin Film Plastics



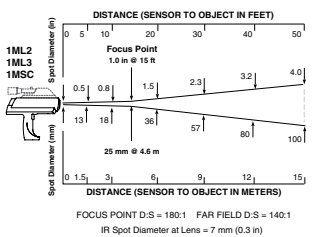
Long Range



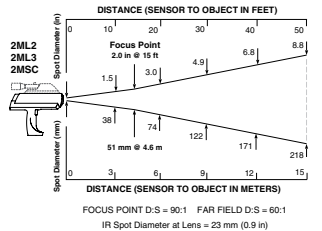
Low Temperature



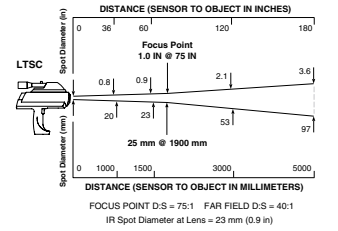
1M for Metals and Molten Glass



2M for Metals



Low Temperature



| Sighting Options | 3i Models | Low Temp (LT) | Long Range (LR) | 1 Micron (1M) | 2 Micron (2M) | Glass (G5) | Plastic (P7) |
|----------------------------------|----------------------------|---------------|-----------------|---------------|---------------|------------|--------------|
| | Single Laser (L2) Class II | - | - | LRL2 | 1ML2 | 2ML2 | - |
| Single Laser (L3) Class IIIa | - | - | LRL3 | 1ML3 | 2ML3 | - | - |
| Dual Laser (DL2) Class II | LTDL2 | - | - | - | - | - | P7DL2 |
| Dual Laser (DL3) Class IIIa | LTDL3 | - | - | - | - | - | P7DL3 |
| Crossed Laser (CL2) Class II | LTCL2 | - | - | - | - | - | - |
| Crossed Laser (CL3) Class IIIa | LTCL3 | - | - | - | - | - | - |
| Scope (SC) | LTSC | LRSC | 1MSC | 2MSC | G5SC | - | - |
| Scope with Laser (SCL2) Class II | - | LRSC2 | - | - | - | - | - |



Specifications and Features

| Model | LT | LR | LRSCL2 | 1M | 2M | G5 | P7 |
|--|---|-------|--------|---|---|-------------------------|----------------------|
| Temperature Range | -30/1200°C (-20/2200°F) | | | 600/3000°C (1100/5400°F) | 200/1800°C (400/3275°F) | 150/1800°C (300/3275°F) | 10/800°C (50/1450°F) |
| Accuracy | ±1% of reading or ±1°C (±1.5°F) whichever is greater at 23°C ±5°C (73°F ±9°F) ambient operating temperature | | | ±0.5% of reading or ±1°C (±1.5°F) whichever is greater at 23°C ±5°C (73°F ±9°F) ambient operating temperature | ±1% of reading or ±1°C (±1.5°F) whichever is greater at 23°C ±5°C (73°F ±9°F) ambient operating temperature | | |
| Repeatability | ±0.5% of reading or ±1°C (±1°F), whichever is greater | | | | | | |
| Response Time (95%) | 700 mSec | | | 550 mSec | 700 mSec | | |
| Spectral Response | 8 to 14µm | | | 1.0µm | 1.6µm | 5µm | 7.9µm |
| Adjustable Emissivity* (from 0.1 to 1.0 by 0.01) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ambient Operating Temperature | 0 to 50°C (32 to 120°F) | | | | | | |
| Relative Humidity | 10 to 90%, noncondensing @ up to 30°C (86°F) | | | | | | |
| Storage Temperature | -20 to 50°C (-4 to 120°F) without batteries | | | | | | |
| Weight/Dimensions | Laser Models: 208 H x 257 L x 71 W mm / 794 g (8.2 H x 10.1 L x 2.8 W in / 1.75 lb) Scope Models: 244 H x 257 L x 71 W mm / 1000 g (9.6 H x 10.1 L x 2.8 W in / 2.21 lb) | | | | | | |
| Power | 4 AA batteries or 6 to 9 V, 200 mA DC power supply | | | | | | |
| Battery Life (Alkaline) | 21-25 hours | | | | | | |
| Laser | L2 models are IEC Class2/FDA Class II (<1mW), L3 models are FDA Class IIIa (<5mW) | | | | | | |
| Reflected Energy Compensation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Distance to Spot (D:S) | 75:1 | 120:1 | 105:1 | 180:1 | 90:1 | 50:1 | 25:1 |
| MAX, MIN, DIF, AVG Temperatures | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Display Hold | 7 Seconds | | | | | | |
| Backlit LCD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Temperature Display | °C or °F (selectable), multifunction 4-digit backlit LCD | | | | | | |
| Display Resolution | 1°C or 1°F | | | | | | |
| Locking Trigger | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tripod Mounting | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Audible/Visible Hi/Lo Alarms | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Analog Output | 1mV/°C or 1mV/°F | | | 1mV/°C or 0.5 mV/°F | 1mV/°C or 1mV/°F | | |
| Digital Output | RS232, 9600 baud, output interval adjustable from 1 to 9999 seconds | | | | | | |
| 100 Point Data Logging | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Options/ Accessories | Nylon carry case with shoulder strap • NIST Certification (Must be specified at time of order) Variable brightness filters (scope and G5 only) • 110V/60Hz or 220V/50Hz voltage adapters Portable printer and cable • Computer, analog, and printer cables • DataTemp 2 software • Hard shell case | | | | | | |